

Old-growth forests in Norway and integration of forest naturalness into ecodiversity mapping

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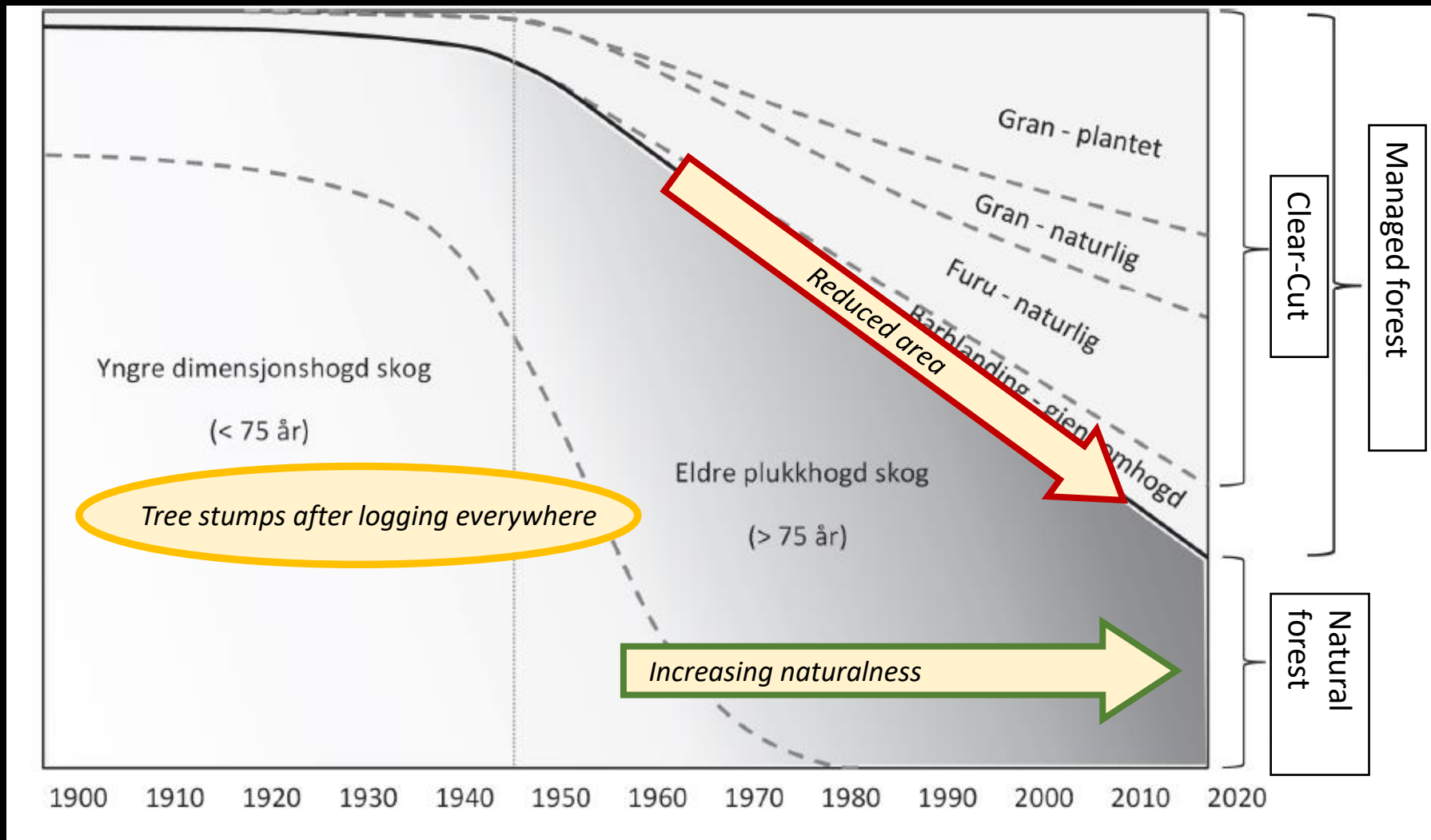
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NIBIO





Adapted figure from Storaunet & Rolstad
2020

Old-growth definition

- Vaguely defined by age
- Biologically old forest \leftarrow Age + site productivity

Previous old-growth inventory

- DN håndbok 13 (DN handbook 13)
- Indirectly into woodland key habitats

Ecosyst

- A toolbox for mapping all of nature
- Based on ecological gradients (Halvorsen 2020)



Natural forest



Managed forest

Dichotomy

Emphasized signs of
earlier logging



Naturalness gradient

**Little
changed**

**Moderately
changed**

**Strongly
changed**



Relative dead wood amount

- Accounts for differences in productivity and tree species



Take home messages

- Norway is implementing forest naturalness as a gradient
- Relative deadwood amount will be used in practical mapping